

FORM PTO-1449/A and B (modified PTO/SB/08)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

APPLICATION NO.: 10/536,875

ATTY. DOCKET NO.: P0850.70005US01

FILING DATE: December 1, 2006

CONFIRMATION NO.: 6405

APPLICANT: Kristen Briggs et al.

GROUP ART UNIT: 1638

EXAMINER: C.K. Worley

Sheet

of

**U.S. PATENT DOCUMENTS**

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

**OTHER ART — NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		AOKI et al. Golgi retention of a trans-Golgi membrane protein, galactosyl-transferase, requires cysteine and histidine residues within the membrane-anchoring domain. (1992) Cell Biology 89, 4319-4323	
		BOYD et al. The effect of the removal of sialic acid, galactose and total carbohydrate on the functional activity of Campath-1H (1995) Mol Imm. 32, 1311-8.	
		COLLEY "Golgi localization of glycosyltransferases: more questions than answers" (1997) Glycobiology 7(1):1-13.	
		DE VRIES et al. Isolation of total and polysomal RNA from plant tissues. (1991) Plant Mol. Biology B6/1-13.	
		DIERYCK et al. Human Haemoglobin from transgenic tobacco (1997) Nature 386, 29-30.	
		FAYE et al Affinity purification of antibodies specific for Asn-linked glycans containing alpha 1 --> 3 fucose or beta --> 2 xylose. (1993) Anal Biochem 209, 104-8.	
		FITCHETTE LAINE et al. N-glycans harboring the Lewis a epitope are expressed at the surface of plant cells. (1997) Plan J 12, 1411-7.	
		FLORACK et al. Expression of giant silkworm cecropin B genes in tobacco. (1995) Transgenic Research 4, 132-141.	
		GLEESON "Targeting of proteins to the Golgi apparatus" (1998) Histochem Cell Biol. 109: 517-532	
		HOLLISTER et al. Stable expression of mammalian $\beta$ 1,4-galactosyltransferase extends the N-glycosylation pathway in insect cells. (1998) Glycobiology 8(5): 473-480.	
		HORSCH et al. A simple and general method for transferring genes into plants. (1985) Science 227, 1229-1231	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.W./

	JARVIS and FINN Modifying the insect cell N-glycosylation pathway with immediate early baculovirus expression vectors. (1996) Nat Biotechnol 14, 1288-92	10536875 - GAU: 1644
	JOHNSON and CHRISPEELS Substrate specificities of N-acetylglucosaminyl-, fucosyl-, and xylosyltransferases that modify glycoproteins in the Golgi apparatus of bean cotyledons. (1987) Plant Physiology 84, 1301-1308	
	MA et al. Generation and assembly of secretory antibodies in plants (1995) Science 268, 716-9.	
	MATSUMOTO et al. Characterization of a human glycoprotein (erythropoietin) produced in cultured tobacco cells. Mol. Biol. 27, 1163-1172	
	MELO et al. Identification of the human Lewis(a) carbohydrate motif in a secretory peroxidase from a plant cell suspension culture (Vaccinium myrtillus L.) FEBS Lett 415, 186-91	
	MILLAND et al. "The cytoplasmic tail of $\alpha$ 1,2-fucosyltransferase contains a sequence for golgi localization" (2001) J. Biol. Chem. 276(15):12012-12018	
	MUNRO "Localization of proteins to the Golgi apparatus" (1998) Trends Cell Biol. 8(1): 11-15.	
	RAYON et al. Characterization of N-Glycans from Arabidopsis. Application to a Fucose-Deficient Mutant (1999) Plant Physiology 119, 725-733	
	SAITO et al. Integration and expression of a rabbit liver cytochrome P-450 gene in transgenic Nicotiana tabacum (1991) Proc. Natl. Acad. Sci. 88, 7041-7045	
	SCHINDLER et al. Arabinogalactan proteins in maize coleoptiles: developmental relationship to cell death during xylem differentiation but not to extension growth. (1995) Plant JU 7, 25-36	
	SHAPER et al. Bovine galactosyltransferase: identification of a clone by direct immunological screening of a cDNA expression library. (1986) Proc Natl Acad Sci USA 83, 1573-7	
	SMANT et al. Potato root diffusate- induced secretion of soluble, basic proteins originating from the subventral esophageal glands of potato cyst nematodes (1997) Phytopathology 87, 839-845	
	STANLEY and IOFFE Glycosyltransferase mutants: key to new insights in glycobiology (1995) Faseb j 9, 1436-44	
	STANLEY et al. CHO cells provide access to novel N-glycans and developmentally regulated glycosyltransferases. (1996) Glycobiology 6, 695-9	
	STURM et al. "Subcellular localization of glycosidases and glycosyltransferases involved in the processing of N-linked oligosaccharides" (1987) Plant Physiol. 85(3):741-745.	
	THANAVALA et al. Immunogenicity of transgenic plant derived hepatitis B surface antigen. (1995) Proc Natl Acad Sci USA 92, 3358-3361	
	VAN ENGELN et al. pBINPLUS: an improved plant transformation vector based on pBIN19. (1995) Transgenic Res 4, 288-90	
	VON SCHAEWEN et al. Isolation of a mutant arabidopsis plant that lacks N-acetyl glucosaminyl transferase I and is unable to synthesize Golgi-modified complex N-linked glycans. (1993) Plant Physiol 102, 1109-18	
	YAMAGUCHI and FUKUDA Golgi retention mechanism of $\beta$ -1,4-Galactosyltransferase (1995) J of Biol Chemistry 270(20): 12170-12176	

EXAMINER:	DATE CONSIDERED:
/Sharon Wen/	05/24/2010

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_, filed \_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

10536875 - GAU: 1644

[NOTE - No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]